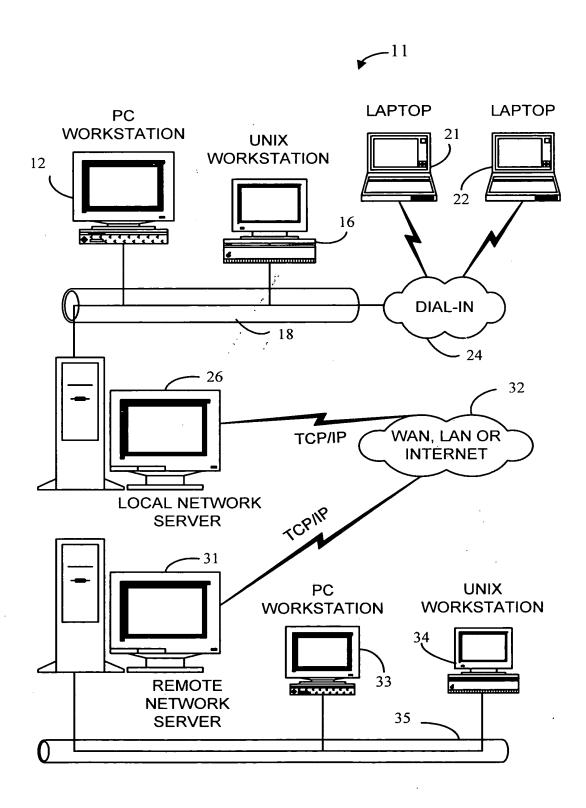
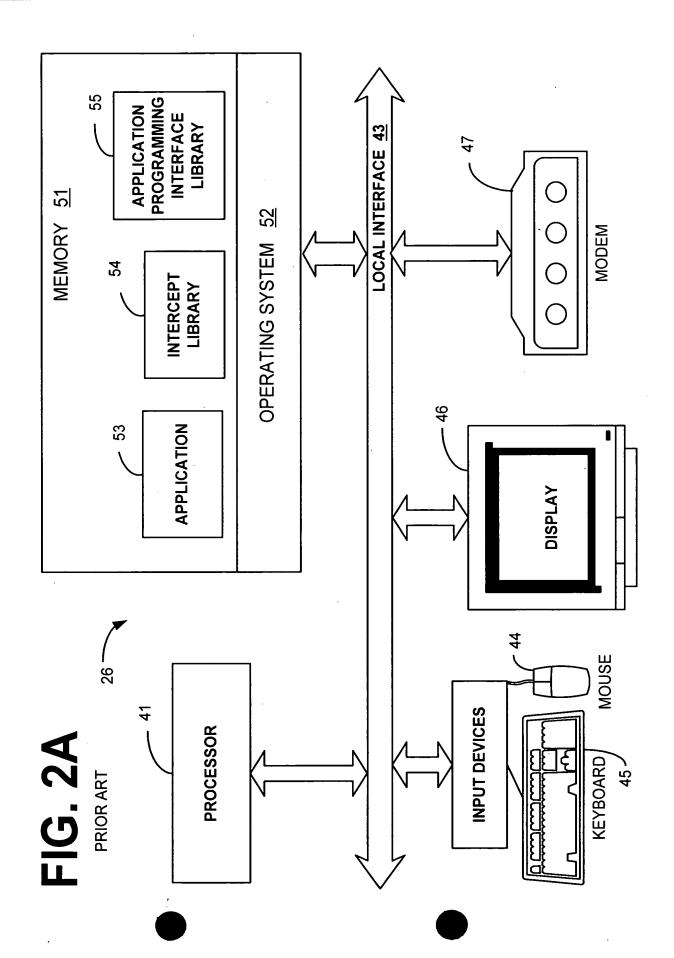


FIG. 1



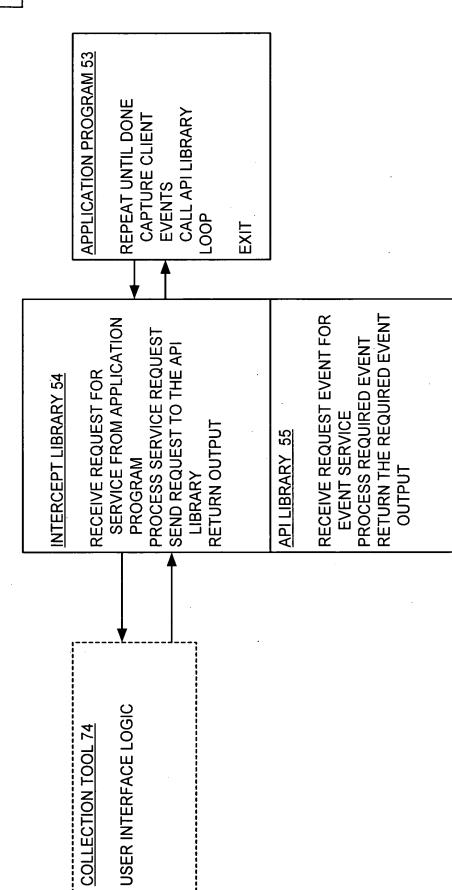




SSTTOT TOEXTHSO

SSTTOT TOEXTAS

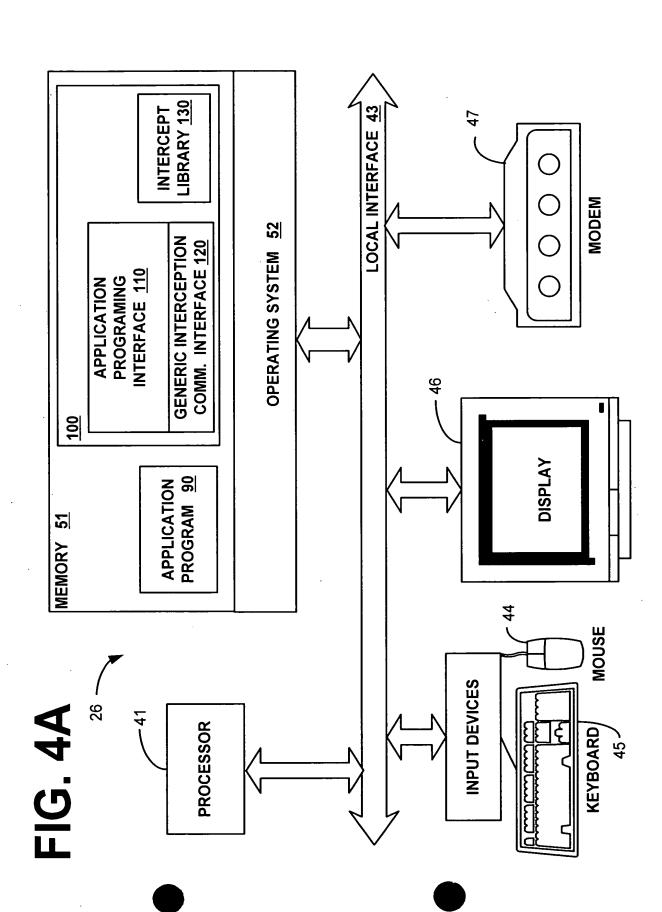
FIG. 2C



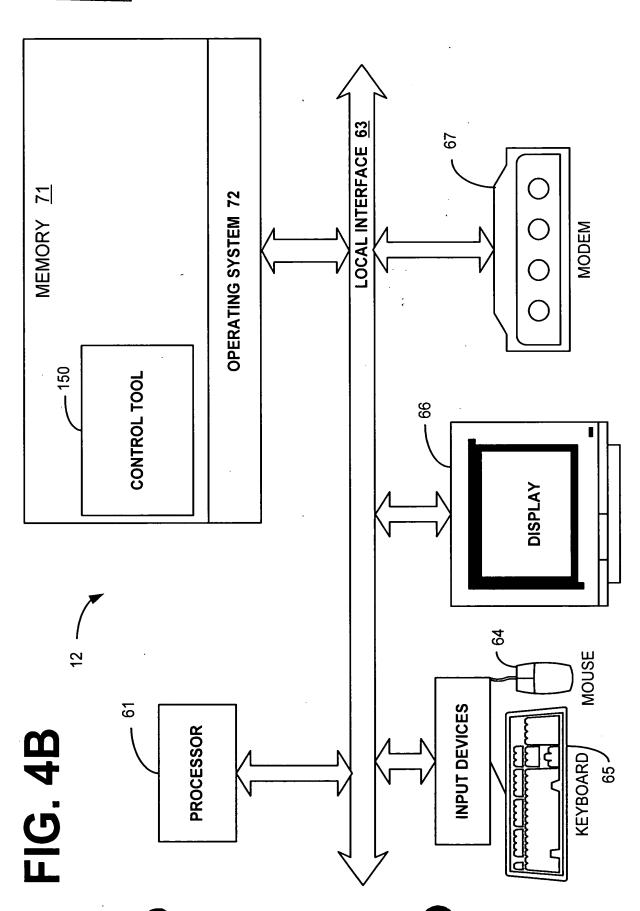
SSTTOT TOZXTH60

APPROVED O.G. FIG CLASS BY SUBCLASS DRAFTSMAN **APPLICATION PROGRAM 53** REPEAT UNTIL DONE CAPTURE CLIENT CALL API LIBRARY **EVENTS** LOOP NORMAL API REQUIRED EVENT BE RUN RETURN THE REQUIRED EVENT OUTPUT F INSTRUMENTATION TOOL REQUESTS RECEIVE REQUEST FOR SERVICE FROM RETURN REQUIRED EVENT OUTPUT RETURN TO RECEIVE NEXT REQUEST APPROPRIATE INSTRUMENTATION RETURN TO RECEIVE NEXT REQUEST IF INTERCEPTION IS ENABLED, THEN **ESTABLISH COMMUNICATION WITH** PROCESS REQUIRED EVENT RECEIVE REQUEST FROM API APPLICATION PROGRAMMING PROCESS REQUIRED EVENT SEND EVENT DATA TO THAT INSTRUMENTATION TOOL CALL INTERCEPT MODULE APPLICATION PROGRAM **NTERCEPT MODULE 56 INTERFACE LIBRARY 55** WAIT FOR REPLY TOOL **COLLECTION TOOL 75** FIG. 3 SIMPLE DATA PRIOR ART COLLECTION

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN



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CAPTURE CLIENT EVENTS APPLICATION PROGRAM 90 REPEAT UNTIL DONE CALL API LOOP

NTERCEPT LIBRARY

REGISTER EVENTS OF INTEREST AND **ESTABLISH COMMUNICATION WITH EVENT RECEIVING HANDLERS** CONTROL TOOLS INITIALIZATION

CONTROL TOOLS

150

SIMPLE DATA COLLECTION

IF REQUIRED TO PROCESS EVENT PROCESS EVENT RETURN SERVICE REQ. OUTPUT RETURN REPLY TO API THAT WAIT TO RECEIVE EVENT FROM API ← PERFORM EVENT DATA PROCESSING

EVENT WAS HANDLED

ELSI

RETURN REPLY TO API THAT THE EVENT WAS NOT HANDLED RETURN TO WAIT TO RECEIVE NEXT EVENT FROM API

INIT. INTERCEPT EVENT SEND HANDLERS IN GENERIC INTERCEPTION COMM. INTER. SEND INITIALIZATION EVENT SEARCH FOR INTERCEPT LIB. F INTERCEPT LIB. FOUND WAIT FOR REPLY **API 110**

RECEIVE SERVICE REQ. FROM APP. PROG.

GENERATE EVENTS FOR SERVICE REQ. SEND EVENTS TO INTERCEPT LIB. USING SEND HANDLERS IN GENERIC IF INTERCEPTING

INTERCEPTION COMM. INTERWAIT FOR REPLY

IF INTERCEPT LIB. HANDLED ALL EVENTS RETURN

SERVICE APP. PROG. REQUEST RETURN SERVICE REQ. OUTPUT TO APP. PROG

SERVICE APPL. PROG. REQUEST RETURN SERVICE REQ. OUTPUT TO APP.

INTER GENERIC INTERCEPTION COMM. (SEND HANDLERS) 120 RECEIVE EVENT FROM API SEND EVENT TO REQUIRED INTERCEPTION

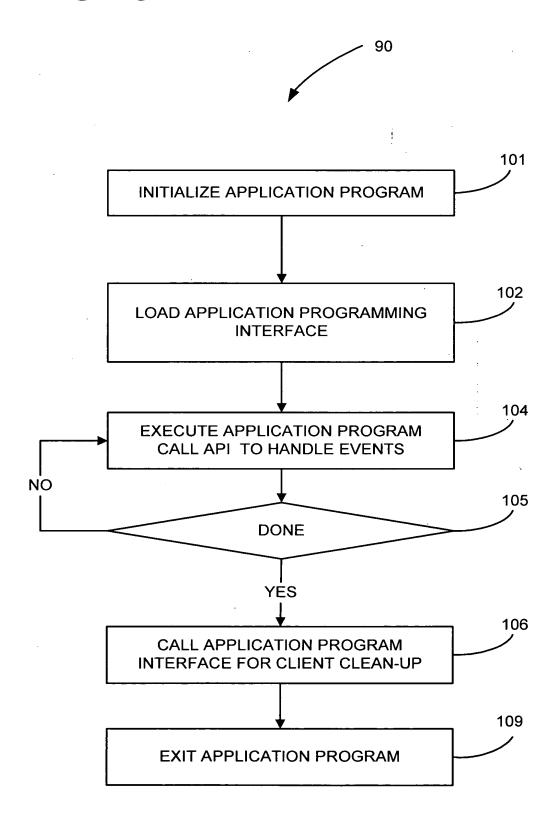
WAIT FOR REPLY FROM INTERCEPTION LIB. SEND TO API

SOTTOT TOEKTHED

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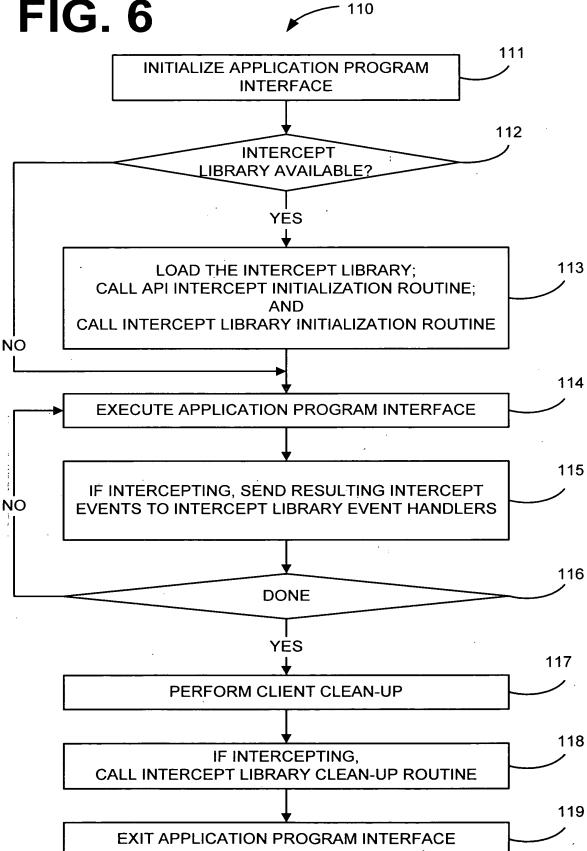
FIG. 5











NO



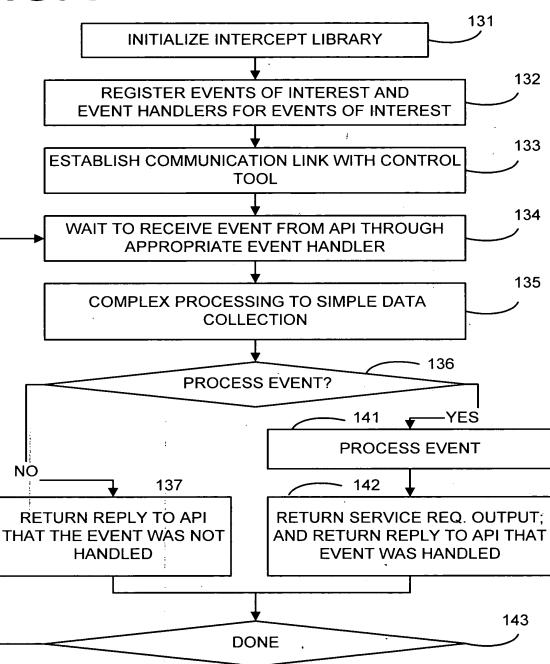


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149

130





YES

PERFORM INTERCEPT LIBRARY CLEAN-UP

EXIT INTERCEPT LIBRARY